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SURVEY OF TEXTS AND INSTRUCTIONAL MATERIAL USED IN INFORMATION SCIENCE PROGRAMS.

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A SURVEY WAS MADE AT THE REQUEST OF THE COMMITTEE ON TRAINING OF DOCUMENTALISTS OF THE INTERNATIONAL FEDERATION FOR DOCUMENTATION TO DETERMINE WHAT MATERIALS WERE BEING USED IN UNIVERSITY COURSES IN THE AREA OF INFORMATION SCIENCE AND REQUIRED CORE COURSES IN INFORMATION SCIENCE PROGRAMS IN THE UNITED STATES. A BIBLIOGRAPHY, INCLUDING BOOKS, JOURNAL ARTICLES AND OTHER TEXTUAL MATERIALS, WAS PREPARED FROM INFORMATION SUBMITTED BY 34 RESPONDENTS. OF ALL TYPES OF MATERIALS, BOOKS AND JOURNAL ARTILCES WERE MOST COMMON, EACH ACCOUNTING FOR ABOUT ONE-THIRD OF THE REFERENCES. CITATIONS FROM TWO JOURNALS, "AMERICAN DOCUMENTATION" AND "JOURNAL OF CHEMICAL DOCUMENTATION," MAKE UP OVER HALF OF THE JOURNAL ARTICLES, AND MATERIAL PUBLISHED IN 1965 NUMBERS OVER 20 PERCENT OF THE TOTAL. THE BIBLIOGRAPHY OF 463 REFERENCES IS ARRANGED BY MAIN AUTHOR, AND AN AUTHOR INDEX AND PERMUTED TITLE INDEX IS FURNISHED. A LIST OF RESPONDENTS TO THE SURVEY IS ALSO GIVEN. (CM)

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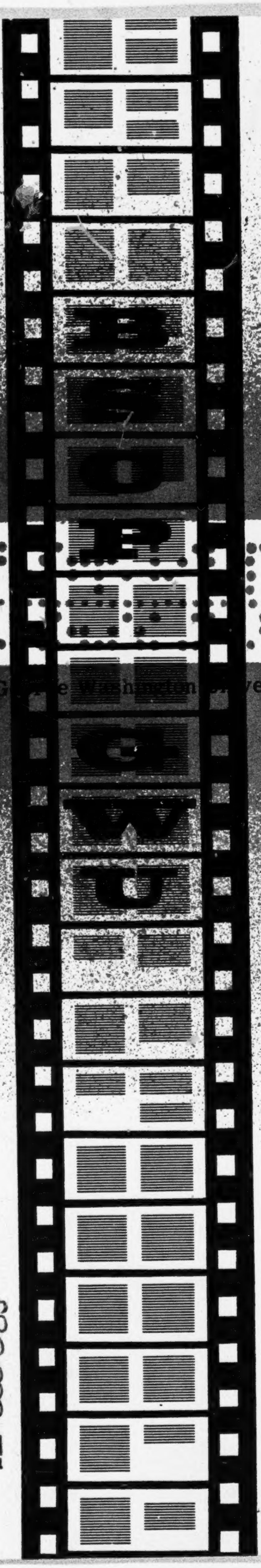

SURVEY OF TEXTS AND INSTRUCTIONAL MATERIAL USED IN INFORMATION SCIENCE PROGRAMS

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The BSCP COMMUNIQUE is published by the Biological Sciences Communication Project of The George Washington University. It is issued on an unscheduled basis and appears as a reporting medium for the activities of this project.

The present survey of texts and instructional material used in Information Science Programs was conducted as an on-the-job project under the National Library of Medicine Grant Number 1 T1 LM 101-01A1.

SURVEY OF TEXTS AND INSTRUCTIONAL MATERIAL USED IN INFORMATION SCIENCE PROGRAMS

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FOREWORD

All of the graduate students supported by the National Library of Medicine Grant at the Biological Sciences Communication Project have special areas of interest in which they work for the on-the-job experience part of the education and training program in information science.

In the case of the author of this report the area of interest covers all aspects of formal education and training of information scientists in the United States. Her studies have led to two previous reports in this series:

Education and Training of Information Specialists in the U.S.A., BSCP Communique 24-66, May 1966.

Survey of Practical Training in Information Science, BSCP Communique 25-67, April 1967.

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LIST OF TABLES

1. Distribution of Text Material by Type of Publication
2. Distribution of Journal Articles by Journals of Appearance
3. Distribution of Text Material by Date of Publication

I. DESCRIPTION OF SURVEY AND SUMMARY OF RESULTS

This survey was conducted in response to a request by the Committee on Training of Documentalists of the International Federation of Documentalists (FID/TD). Approximately 40 universities were contacted, of which 34 responded. The purpose of the survey was to determine which books, journal articles, and other textual materials were being used in university programs and courses in information science in the United States. Most of the respondents furnished bibliographies used in their courses. Most of the courses were in graduate degree programs, particularly in information science. All of the responses were furnished with the approval of the cognizant dean or department head. A complete list of the responding universities is included.

The range of the material was quite diverse, as are the various programs. An effort was made to include only material that was used in courses in the area of information science, plus material from required core courses in information science programs except introductory courses in librarianship. Examination of the bibliography reveals the diversity of the material covered in the courses, clearly indicating the interdisciplinary nature of information science. The bibliography could be considered to identify those topics which define the range of information science, insofar as that range is exemplified in curricula.

There are 463 references in the bibliography, arranged alphabetically by author. A classification system was not established for the material since the sources were so widely varied. A separate author index is presented, including joint authors. For ease in subject searching, an extensive permuted title index is given to aid in locating citations by keywords found in the titles. When appropriate, titles have been expanded by adding index terms relating the titles to the subject matter discussed in the documents.

Most participants responded that their programs were of a dynamic nature, with continual curriculum changes and introduction of new course materials. It is of value to mention that two books were used by virtually all of the universities: Becker and Hayes, Information Storage and Retrieval, Wiley, 1963, and Cuadra, Annual Review of Information Science and Technology, Interscience, 1966. Various IBM procedures manuals were used extensively. Frequency of use of selected journal articles was also quite high, with several respondents noting that such material incorporates the latest techniques, ideas, and equipment utilization. Exact tabulations of frequency of use of the 463 references would probably be useful, but has not been done here.

Statistical Data on Survey Results

Table 1 presents the distribution of textual material by type of publication. Books and journal articles accounted for 71.3 percent of the references. Technical reports, such as government reports, university reports, industrial manuals and reports, and professional society publications accounted for 16.7 percent. Articles in proceedings accounted for 12.0 percent.

Type of Material	Occurrences	Percent
Books	175	37.8
Journal Articles	155	33.5
Technical Reports	77	16.7
Articles in Proceedings	56	12.0
	463	100.0

Table 1. Distribution of Text Material by Type of Publication

Table 2 presents the distribution of journal articles by the journals in which they appeared, for the nine journals with the greatest frequency of appearance. Of the 155 journal articles in the bibliography, 37.4 percent were from American Documentation, 16.1 percent from the Journal of Chemical Documentation, 7.1 percent from Science, 14.6 percent from the following six journals and 24.9 percent from thirty other journals.

Journal	Occurrences	Percent
American Documentation	58	37.4
Journal of Chemical Documentation	25	16.1
Science	11	7.1
Special Libraries	5	3.2
Aslib Proceedings	4	2.6
Journal of Association for Computing Machinery	4	2.6
Journal of Documentation	4	2.6
Scientific American	3	1.9
International Science and Technology	3	1.9
All Others	38	24.9
	155	100.0

Table 2. Distribution of Journal Articles by Journals of Appearance

Table 3 presents the distribution of textual material by date of publication, for all textual material, and classified by type of textual material. The extent of the peak which occurs in 1965 for all four classifications of reference material is surprising. There is also a significant increase in the period 1964-1966 in cited published material from the period 1961-1963.

Date of Publication	All Material	Books	Journal Articles	Technical Reports	Articles in Proceedings
1950 and previous	10	8	2	0	0
1951 - 1955	23	10	8	4	1
1956 - 1960	51	18	18	7	8
1961	42	13	21	5	3
1962	45	17	14	11	3
1963	50	21	20	5	4
1964	59	23	21	8	7
1965	95	33	24	16	22
1966	66	24	19	15	8
1967	22	8	8	6	0
	463	175	155	77	56

Table 3. Distribution of Text Material by Date of Publication

II. CITATIONS

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